

MATERIAL SAFETY DATA SHEET

This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

IDENTITY (As Used on Label and List): **Praseodymium chloride PrCl₃, powder and pieces**

Product Code: **P-MSDS0020** Reference #: **10361-79-2**

SECTION I - PRODUCT IDENTIFICATION Praseodymium chloride PrCl₃, powder and pieces

MANUFACTURER NAME AND ADDRESS:

ProChem, Inc.
826 Roosevelt Rd.
Rockford IL 61109

TELEPHONE NUMBERS:

CHEMTREC (800)424-9300
ProChem, Inc. (800) 795-8788
Local () - 911
Poison/Emrgncy

DATES:

Date Created: 08/21/1989
Revision: 07/19/1994
Printed: 01/28/2004

SYNONYMS

Praseodymium chloride

CHEMICAL FAMILY: Metal halide

DOT HAZARD LABEL: No data.

FORMULA: PrCl₃

MOLECULAR WEIGHT: 195.26

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION Praseodymium chloride PrCl₃, powder and pieces

HAZARDOUS COMPONENTS (CHEMICAL NAME)

<u>NAME:</u>	Praseodymium chloride	<u>PERCENTAGE:</u>	0.0 -100.0 %
<u>CAS #:</u>	10361-79-2	<u>ACGIH TLV:</u>	NE
<u>OSHA PEL:</u>	NE	<u>SEC.304 RO:</u>	No
<u>OTHER LIMITS:</u>	NE		
<u>SEC.302 (EHS):</u>	No		
<u>SEC.313:</u>	No		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS Praseodymium chloride PrCl₃, powder and pieces

<u>PHYSICAL STATES:</u>	[] Gas , [] Liquid , [X] Solid
<u>BOILING POINT:</u>	1700.00 C (3092.0 F)
<u>MELTING POINT:</u>	786.00 C (1446.8 F)
<u>SPECIFIC GRAVITY (WATER = 1):</u>	4.02 gm/cc at 25.0 C (77.0 F)
<u>DENSITY:</u>	No data.
<u>VAPOR PRESSURE (VS. AIR OR MM HG):</u>	NA
<u>VAPOR DENSITY (VS. AIR = 1):</u>	NA

EVAPORATION RATE (VS BUTYL ACETATE=1): NA
SOLUBILITY IN WATER: soluble
PERCENT VOLATILE: N.A.
PH: No data.
APPEARANCE AND ODOR

Blue-green powder and pieces, no odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
Praseodymium chloride PrCl₃, powder and pieces

FLASH PT: N.A. **METHOD USED:** NON-FLAMMABLE
EXPLOSIVE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA

USE: Not applicable. Use suitable extinguishing media for surrounding materials and type of fire.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition, praseodymium chloride may emit toxic fumes of chlorine.

SECTION V - REACTIVITY DATA
Praseodymium chloride PrCl₃, powder and pieces

STABILITY: Unstable [] Stable [X]
CONDITIONS TO AVOID - INSTABILITY

None

INCOMPATIBILITY - MATERIALS TO AVOID

None recorded

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Fumes of chlorine

HAZARDOUS POLYMERIZATION: Will occur [] Will not occur [X]
CONDITIONS TO AVOID - HAZARDOUS POLYMERIZATION

None

SECTION VI - HEALTH HAZARD DATA
Praseodymium chloride PrCl₃, powder and pieces